

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid
(<http://phoenixcontact.com/download>)



Sensor/actuator flush-type connector, connector, 5-pos., M12 SPEEDCON, B-coded, rear/screw mounting with M12 thread, with polarity protection, with angled solder connection



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 046356 438681
GTIN	4046356438681
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	B - inverse
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

Technical data

General

Overvoltage category	II
Degree of pollution	3
Connection method	Solder pins
Mounting type	Rear mounting M12 x 1 With flat nut

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Standards/specifications	M12 connector IEC 61076-2-101
--------------------------	-------------------------------

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Drilling diagram

Technical drawing of a mechanical part (Fig. 1.10) showing a top view. The part has a rectangular base with rounded corners and a central slot. Dimensions are given in millimeters.

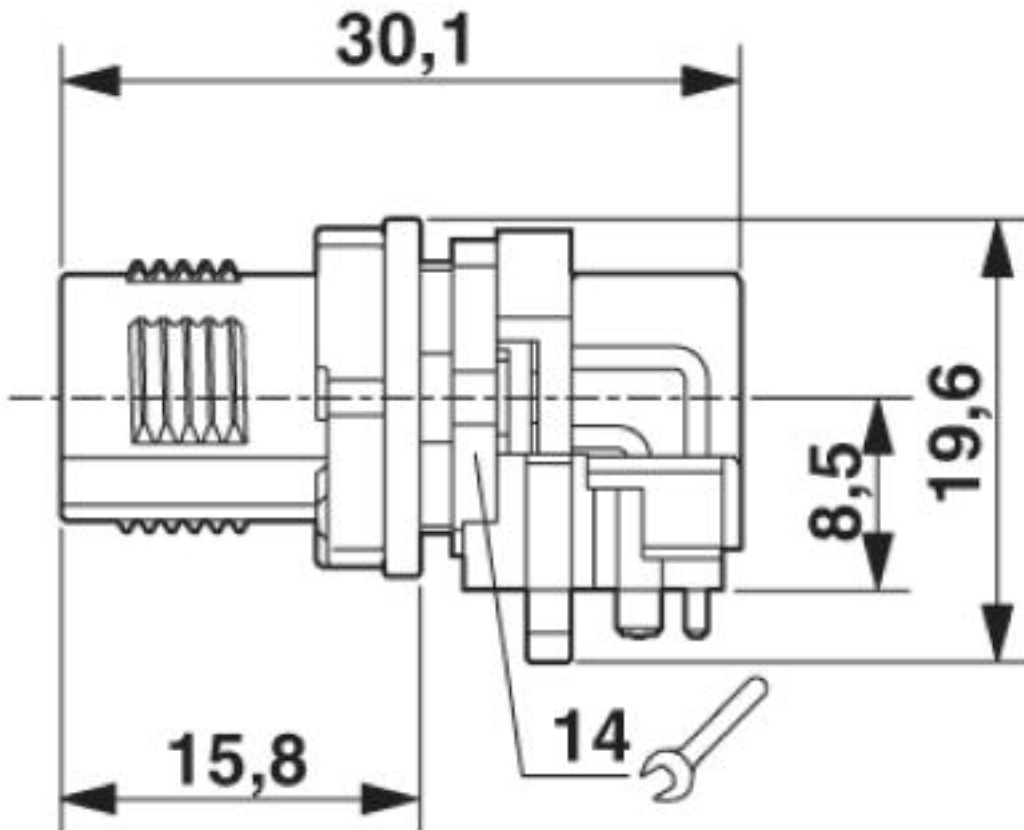
Key dimensions and features:

- Overall width: 15
- Overall height: 13.61
- Distance from top edge to center of top row of holes: 11.07
- Distance from top edge to center of bottom row of holes: 8.53
- Distance from center line to center of side holes: 3.54
- Hole diameters: $\varnothing 2.05^{+0.05}$, $\varnothing 2.8^{+0.05}$, $\varnothing 1^{\pm 0.05}$, and $5 \times \varnothing 1.2^{\pm 0.05}$
- Slot width: 2
- Slot depth: 5.8
- Overall height from base to top of slot: 9.8

Drilling diagram

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

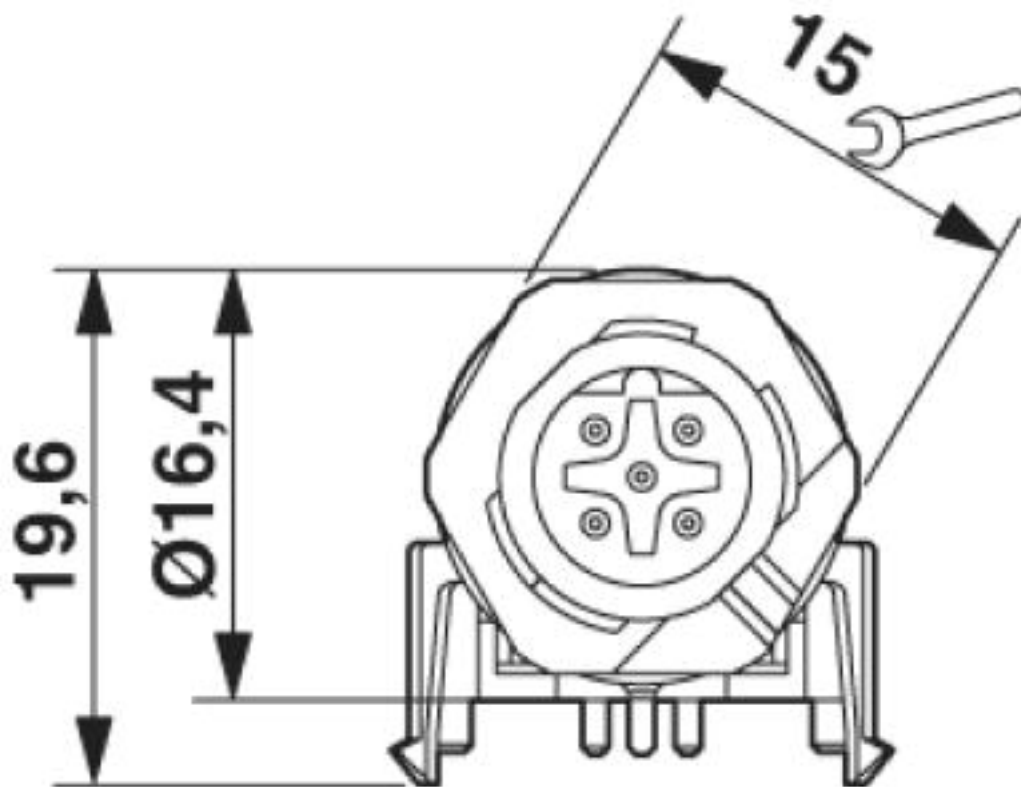
Dimensional drawing



M12 flush-type connector, connector, side view

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

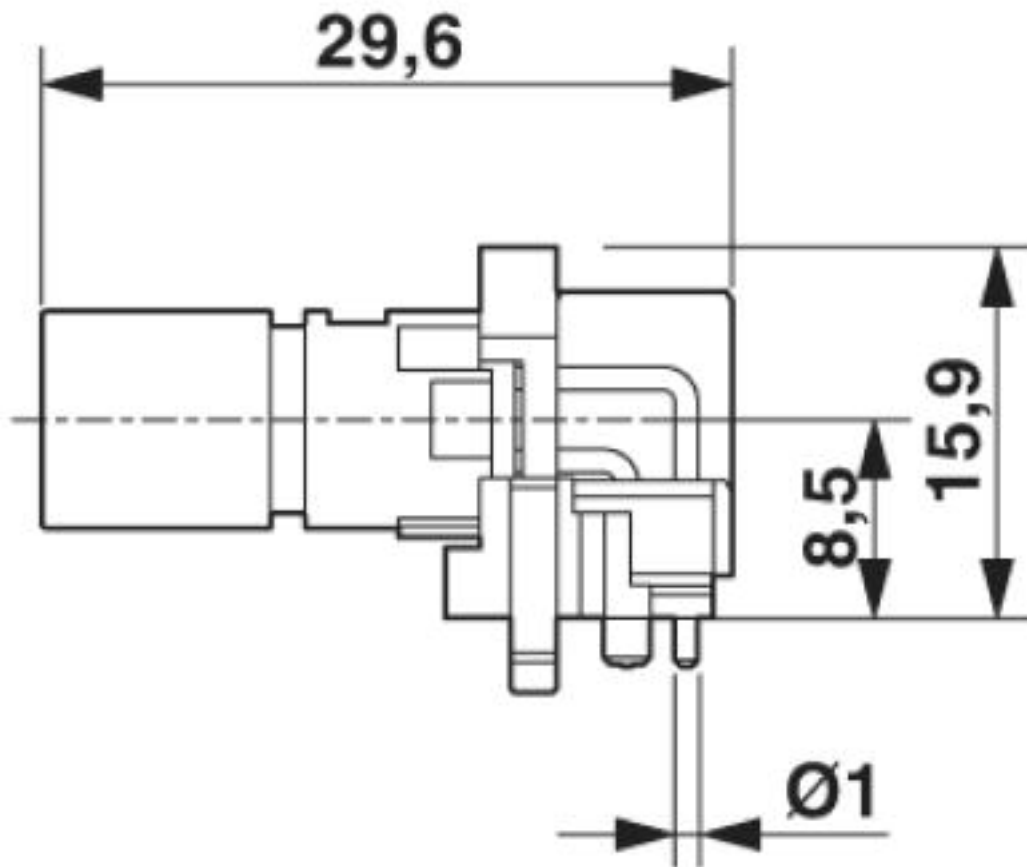
Dimensional drawing



M12 flush-type connector, connector, front view

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

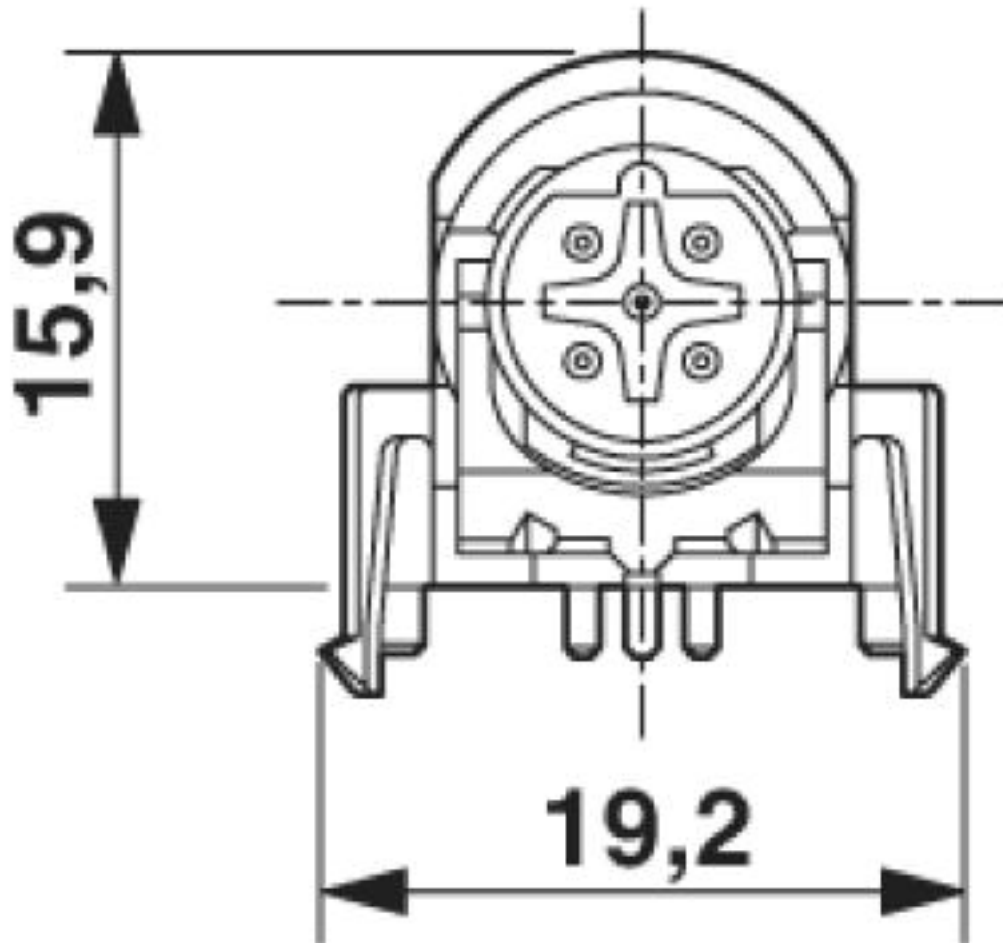
Dimensional drawing



M12 flush-type connector, plug, contact carrier, side view

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

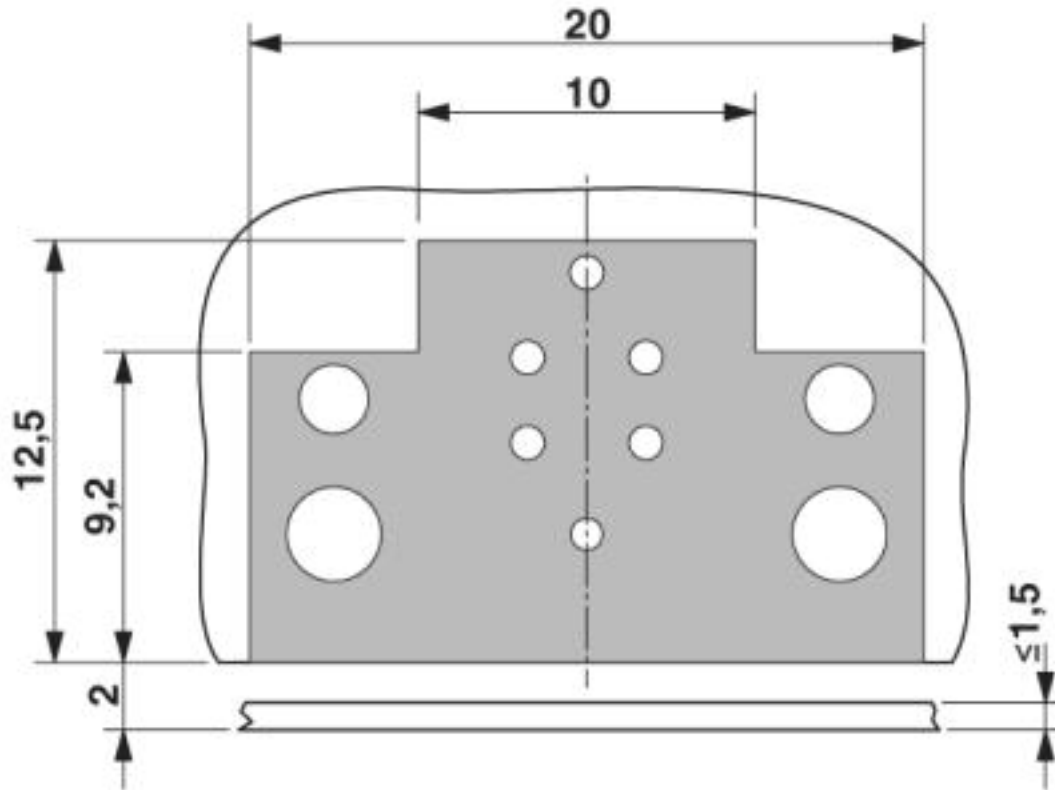
Dimensional drawing



M12 flush-type connector, plug, contact carrier, front view

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

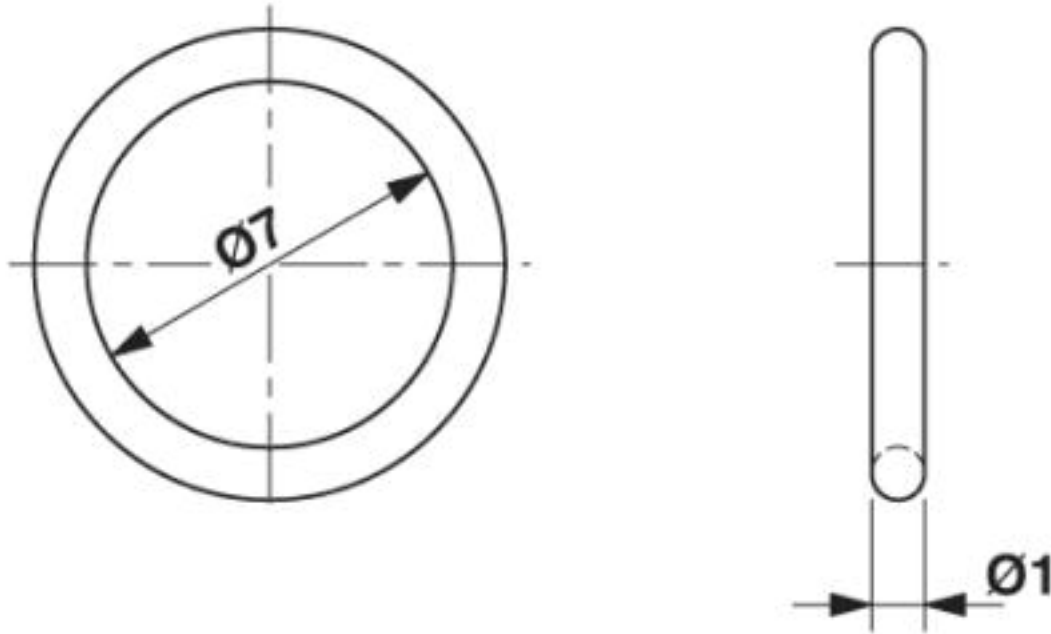
Dimensional drawing



Locked area on the PCB

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

Dimensional drawing

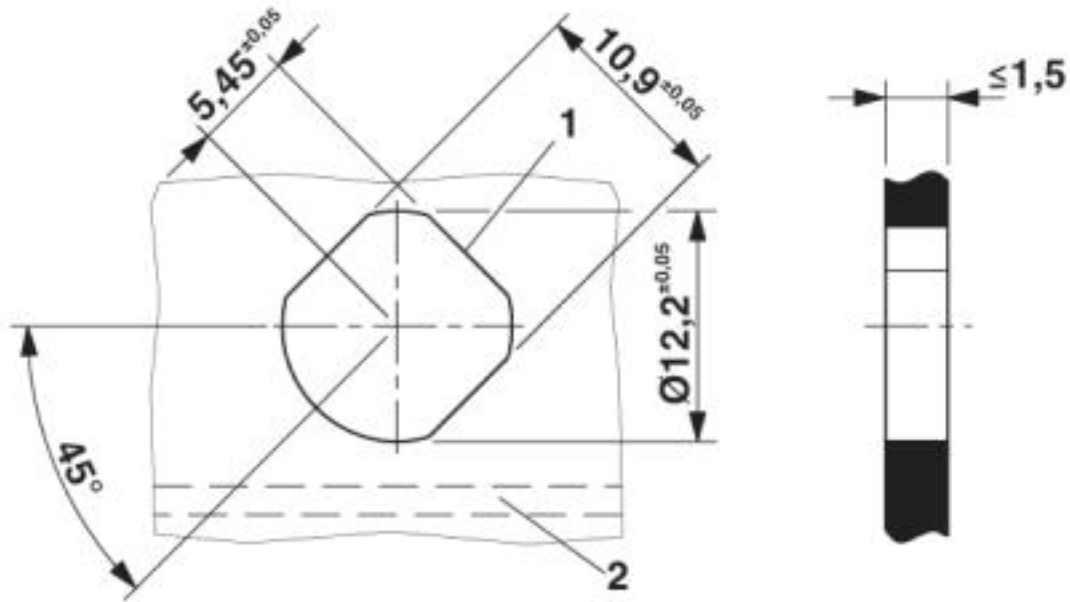


Optionally with O-ring (green) for tight seal when plugged in.

- the axial mating force of 80 N per connector may not be exceeded when using with assembled O-ring!
- Avoid radial forces!

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

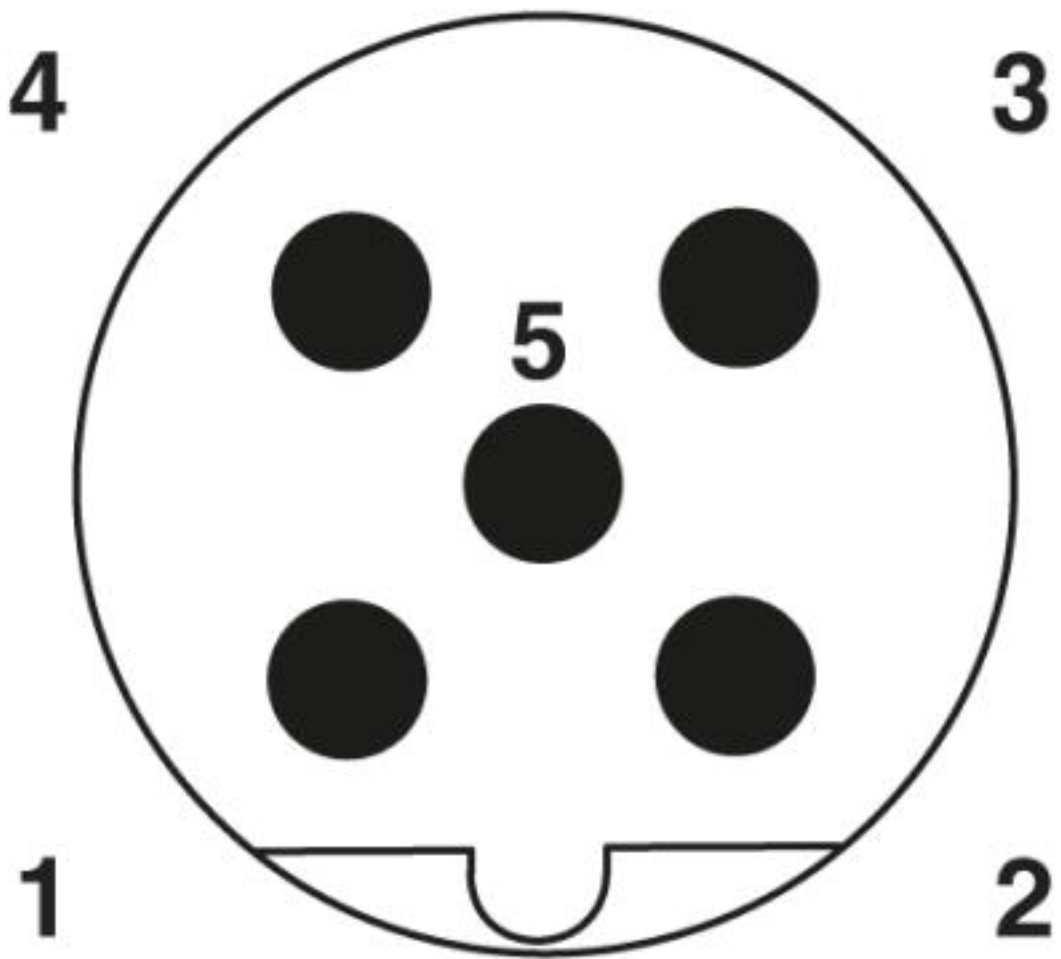
Dimensional drawing



Panel cutout, view from front in case of horizontal PCB (2). The 3rd flat area is optional (1).

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

Schematic diagram



Pin assignment M12 male connector, 5-pos., B-coded, male side

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

Classifications

eCl@ss

eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002061
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

Approvals

Approvals

Approvals

UL Recognized / EAC

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	60 V		
Nominal current IN	4 A		
mm²/AWG/kcmil	22		

Flush-type connector - SACC-DSIV-MSB-5CON-L90 SCO - 1436615

Approvals

EAC



B.01742